

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-11 (cancelled)

12. (New) An integrated circuit switching hub, comprising:

    a plurality of input/output ports;  
    a bus communicatively connected to each of said plurality of input/output ports;  
    a plurality of data switches that switch data from said plurality of input/output ports  
onto said bus; and  
    an arbitrator connected to each of said plurality of data switches that controls said data  
switches to switch data from any one of said input/output ports to any other of the  
input/output ports in accordance with a predetermined selection scheme,  
    wherein said integrated circuit switching hub is fabricated having multiple layers,  
    wherein said bus resides in a first layer of said multiple layers, and  
    wherein said plurality of input/output ports, said plurality of data switches, and said  
arbitrator reside in layers adjacent to the first layer.